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Method and apparatus for producing anaglyphic 3-D images

Abstract

A production method for still or motion colored anaglyphic 3D images in RGB format. Contrasts of the full spectrum are perceived within each color channel via red/green-blue filter gels enabling a dynamic and balanced contrast with bright register and near total extinction of the opposing eyes view including bright colors and white. In one preferred embodiment, full color is presented to both eyes simultaneously via stereoscopic channelling of anaglyphic primary colors viewed through synchronous presentations of electro-optic/anaglyphic filters. One embodiment enables concurrent perception of vertical and horizontal parallax where full colour to each eye is also achieved. 2D compatibility is also addressed. Another preferred embodiment enables a choice between two autostereoscopic programs from one image signal displayed anaglyphically on an autostereoscopic screen. FIG. 14.27. Features of this invention enable the realization of an instant stereoscopic anaglyphic camera and also a quadrascopic anaglyphic camera, FIG. 15.

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